

# REGISTRATION/SPECIAL CORRECTION WORK SHEET

For use of this form, see FM 6-40; the proponent agency is TRADOC.

## SECTION I. REGISTRATION COMPUTATION

ACHIEVED RANGE			DEFLECTION CORRECTION					
1	CHART RANGE	(10 METERS)	7	CORRECTED DEFLECTION (REGISTRATION)	(1 MIL)			
2	REGISTERING PIECE DISPLACEMENT (F-/B+)	(10 METERS)	8	REGISTERING PIECE DISPLACEMENT CORRECTION [6] (L+/R)	(1 MIL)			
3	ACHIEVED RANGE ( [1] + [2] )	(10 METERS)	9	ADJUSTED DEFLECTION ([7] + [6])	(1 MIL)			
REGISTERING PIECE DISPLACEMENT CORRECTION			10	CHART DEFLECTION	(1 MIL)			
4	LATERAL DISPLACEMENT (L/R)	(5 METERS)	11	TOTAL DEFLECTION CORRECTION ([9] - [10]) (L+/R-)	(1 MIL)			
5	ACHIEVED RANGE ( [3] )	(10 METERS)	12	DRIFT CORRECTION ( ~ ADJUSTED ELEVATION) (L)	(1 MIL)			
6	REGISTERING PIECE DISPLACEMENT CORRECTION ([4] ÷ [5]) L+/R-	(1 MIL)	13	GRAPHICAL FIRING TABLE (GFT) DEFLECTION CORRECTION ( [11] - [12] )	(1 MIL)			
GFT SETTING (MANUAL METHOD)						DEFLECTION CORRECTION		
14	GFT	CHARGE	LOT	RANGE	ELEVATION	TIME	TOTAL	GFT
15	GFT	CHARGE	LOT	RANGE	ELEVATION	TIME		
16	GFT	CHARGE	LOT	RANGE	ELEVATION	TIME		

## GFT SETTING (COMPUTER METHOD)

17	BCS AMMUNITION AND FIRE UNIT REGISTRATION	RANGE	RANGE CORRECTION	TIME CORRECTION	DEFLECTION CORRECTION
18	HAND-HELD CALCULATOR RESIDUALS	DEFLECTION CORRECTION	FUZE K	RANGE K	
19	FADAC RESIDUALS	DEFLECTION +	FUZE +	RANGE K +	

REMARKS

## SECTION II. HASTY CORRECTIONS

INITIAL CHART DATA			DEFLECTION _____ RANGE _____				TARGET _____		DATE-TIME GROUP _____	
PLATOON	POSITION LATERAL CORRECTION (LEFT/RIGHT)	HASTY POSITION DEFLECTION CORRECTION $\sim$ (a)	PLATOON COMPARATIVE MUZZLE VELOCITY VARIATION	HASTY MUZZLE CORRECTION $\sim$ (c)	POSITION RANGE CORRECTION (FORWARD - BACK +)	HASTY POSITION QUADRANT ELEVATION CORRECTION	TOTAL QUADRANT ELEVATION CORRECTION (d) + (I) =	CORRECTED QUADRANT ELEVATION - SITE FIRED = ELEVATION	TIME TO FIRE (ELEVATION GAGE LINE OVER (h)) READ TIME	
	a	b	c	d	e	f	g	h	i	
	5 METERS	AS LISTED	0.1 METER PER SECOND	AS LISTED	5 METERS	AS LISTED	1 MIL	1 MIL	0.1	

## SECTION III. SPECIAL CORRECTIONS

INITIAL CHART DATA				DEFLECTION _____ RANGE _____				TARGET _____		DATE-TIME GROUP _____		
PLATOON	GUN NUMBER	POSITION LATERAL CORRECTION (LEFT/RIGHT)	100/R (GRAPHICAL FIRING TABLE)	POSITION DEFLECTION CORRECTION (LEFT/RIGHT) $(a) \times (b) =$ 100	PLATOON COMPARATIVE VELOCITY ERROR (INCREASE/ DECREASE)	MUZZLE VELOCITY UNIT CORRECTION FACTOR (TABLE F. APPROPRIATE FT) DECREASE + INCREASE -	MUZZLE VELOCITY RANGE CORRECTION (d) $\times$ (e) =	POSITION RANGE CORRECTION (FORWARD -) (BACK +)	TOTAL RANGE CORRECTION (I) + (g) =	POSITION QUADRANT ELEVATION CORRECTION (h) $\div$ COLUMN 5 TABLE F APPROPRIATE FT)	CORRECTED RANGE (h) $\approx$ 10 METERS + INITIAL RANGE) (_____)	TIME TO FIRE (FUZE SETTING $\sim$ (I))
		a	b	c	d	e	f	g	h	i	j	k
		5 METERS	1 MIL	1 MIL	0.1 METER PER SECOND	0.1 METER	1 METER	5 METERS	1 METER	1 MIL	10 METERS	0.1